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	Application No.	Applicant(s)		
Notice of Allowability	10/663,152 Examiner	IMAI ET AL. Art Unit		
	Anthony T Perry	2879		
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Ri- of the Office or upon petition by the applicant. See 37 CFR 1.313	ars on the cover sheet with the co (OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	orrespondence address olication. If not included will be mailed in due course. THIS		
1. X This communication is responsive to amendment filed 6/14.	<u>/04</u> .			
2. ⊠ The allowed claim(s) is/are <u>9-18</u> .				
3. 🔀 The drawings filed on 14 June 2004 are accepted by the Examiner.				
4.				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0: Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendn			

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DETAILED ACTION

Response to Amendment

The Amendment, filed on 6/14/04, has been entered and acknowledged by the Examiner.

Drawings

The corrected drawings were received on 6/14/04. These drawings are acceptable.

Allowable Subject Matter

Claims 9-18 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claims 9 and 10, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 9 and 10, and specifically comprising the limitation "firing the ink, wherein, after the firing, the support particles are decomposed, forming voids in an aggregation of the carbon particles," wherein "the support particles" is understood to mean all of the support particles of the ink. The Uemura reference only teaches that the support particles formed on the surface of the ink layer are decomposed by laser irradiation, and therefor voids in an aggregation of the carbon particles are only formed at the surface of the applied ink layer. As such, the product-by-process elements of claims 9-10 impart distinctive structural characteristics to the final product, specifically voids formed in an aggregation of the carbon particles throughout the entire ink layer, not just the surface.

Regarding claims 14 and 16, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 9 and 10, and specifically comprising the limitation "firing the ink; wherein the support particles are made of powder that decomposes into a gas when heated or burned, and wherein the decomposition temperature of the

support particles is lower than the decomposition temperature of the organic binder." Again, the Uemura reference only teaches that the support particles formed on the surface of the ink layer are decomposed by laser irradiation, and therefor voids in an aggregation of the carbon particles are only formed at the surface of the applied ink layer. By the claims reciting that the decomposition temperature of the support particles is lower than that of the organic binder, claims 14 and 16 impart distinctive structural characteristics to the final product, specifically voids where the support particles once existed, formed in an aggregation of the carbon particles throughout the entire ink layer, not just the surface.

Regarding claims 11-13, claims 11-13 are allowable for the reasons given in claims 9-10 because of their dependency status from claims 9-10.

Regarding claims 15 and 17-18, claims 15 and 17-18 are allowable for the reasons given in claims 14 and 16 because of their dependency status from claims 14 and 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Anthony Perry* whose telephone number is (571) 272-2459. The examiner can normally be reached between the hours of 9:00AM to 5:30PM Monday thru Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-24597. The fax phone number for this Group is (703) 872-9306.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [Anthony.perry@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

MTC

Anthony Perry Patent Examiner Art Unit 2879 August 12, 2004 Vip Patel Primary Examiner Art Unit 2879